

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	"saka.in"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 10:34
S2	20303	moon.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 08:15
S3	3283	uchimura.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 08:15
S4	205095	ito.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 08:15
S5	11	S2 and S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 14:02
S6	20303	moon.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 14:02
S7	3283	uchimura.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 14:02
S8	205095	ito.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 14:02
S9	11	S6 and S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 14:02

## EAST Search History

S10	6	S9 and (sintered or heat or fired)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:05
S11	11183	"51".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:05
S12	0	S11 same (ceramic or cermaics) same (sintered or sintering) same (cutting or abrasive) same hardness same dislocation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:33
S13	0	S11 same (ceramic or cermaics) same (sintered or sintering) same (cutting or abrasive) same hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:33
S14	0	S11 same (ceramic or cermaics) same (sintered or sintering) same (cutting or abrasive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:33
S15	74210	ceramic same (sinter or sintered or sintering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:34
S16	2317	ceramic same (sinter or sintered or sintering) same hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:34
S17	199	ceramic same (sinter or sintered or sintering) same hardness same abrasive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:34
S18	513	ceramic same (sinter or sintered or sintering) same hardness same (cutting or abrasive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:34
S19	59	ceramic same (sinter or sintered or sintering) same hardness same (cutting or abrasive) same (particle near3 size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:40

## EAST Search History

S20	1	ceramic same (sinter or sintered or sintering) same hardness same (cutting or abrasive) same (dislocation near10 surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:35
S21	540	501/97.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:36
S22	38844	"501".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:40
S23	38844	S21 S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:40
S24	6166	S23 and ((ceramic or ceramics) same (sintering or sintered) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:41
S25	6166	S23 and ((ceramic or ceramics) same (sintering or sintered))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:42
S26	494	S23 and ((ceramic or ceramics) same (sintering or sintered) same hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 15:42
S27	10	S23 and ((ceramic or ceramics) same (sintering or sintered) same hardness same dislocation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:04
S28	483976	(cutting adj tool) or abrasive or polishing or abrading	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:04
S29	21585	((cutting adj tool) or abrasive or polishing or abrading) same (ceramic or ceramics)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:05

## EAST Search History

S30	5258	((cutting adj tool) or abrasive or polishing or abrading) same (ceramic or ceramics) same (tough or toughening or hard or hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:05
S31	846	((cutting adj tool) or abrasive or polishing or abrading) same (ceramic or ceramics) same (tough or toughening or hard or hardness) same (sintered or sintering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:06
S32	592	((cutting adj tool) or abrasive or polishing or abrading) same ((ceramic or ceramics) with(sintered or sintering)) same (tough or toughening or hard or hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:06
S33	592	((cutting adj tool) or abrasive or polishing or abrading) same ((ceramic or ceramics) with (sintered or sintering)) same (tough or toughening or hard or hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:06
S34	42	((cutting adj tool) or abrasive or polishing or abrading) same ((ceramic or ceramics) with (sintered or sintering)) same (tough or toughening or hard or hardness) same (particle near size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/30 14:24
S35	1	((cutting adj tool) or abrasive or polishing or abrading) same ((ceramic or ceramics) with (sintered or sintering)) same (tough or toughening or hard or hardness) same dislocation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 16:07
S36	1	S34 and dislocation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/29 17:25
S37	2	("6133182").URPN.	USPAT	OR	ON	2007/03/30 08:14
S38	6	("4204873"   "5188908"   "5275981"   "5342564"   "5916833"   "5994250").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 08:17
S39	13	("2939796"   "4046517").PN. OR ("4204873").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 08:27
S40	3	((cutting adj tool) or abrasive or polishing or abrading) same ((ceramic or ceramics) with (sintered or sintering)) same (tough or toughening or hard or hardness) same (shot near blasting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/30 14:25

## EAST Search History

S41	3	((cutting adj tool) or abrasive or polishing or abrading) same ((ceramic or ceramics) with (sintered or sintering)) same (shot near blasting) NOT S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/30 14:27
S42	23	((cutting adj tool) or abrasive or polishing or abrading) same (ceramic or ceramics) same (shot near blasting) NOT (S40 S41)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/30 14:28
S43	9342	(shot near blasting) or (shot near peening)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/02 08:53
S44	13	((shot near blasting) or (shot near peening)) same ((ceramic or ceramics) near (sintered or sinter or sintering))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/02 08:54
S45	13	((shot near blasting) or (shot near peening)) same ((ceramic or ceramics) near (sintered or sinter or sintering))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/02 09:32
S46	3	(balsting same abrasive) NOT S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/02 09:32
S47	2	("20060213127").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/23 10:35
S48	1	S47 and (plastic near working)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 11:04
S49	128	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (cemented near carbide) or (silicon near nitride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 13:45

## EAST Search History

S50	1	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (cemented near carbide) or (silicon near nitride)) and (sintered near10 ceramic near5 cutting near5 tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 11:07
S51	1	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (cemented near carbide) or (silicon near nitride)) and sintered and (ceramic near5 cutting near5 tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 11:07
S52	1	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (cemented near carbide) or (silicon near nitride)) and (ceramic near5 cutting near5 tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 11:07
S53	22	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (cemented near carbide) or (silicon near nitride)) and (cutting near5 tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 11:07
S54	6	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (cemented near carbide) or (silicon near nitride)) same (particle near size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:06
S55	8	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) same (particle near size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:08
S56	0	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) same (particle near size) same (cutting near tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:08
S57	0	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) same (particle near size) and (cutting near tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:36

## EAST Search History

S58	25	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) and (cutting near tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:39
S59	10	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) same (cutting near tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:19
S60	10	S59 and ((shot near blasting) or (plastic near working))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:36
S61	2	("6299658").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/23 14:21
S62	1	S61 and ((shot near blasting) or (plastic near working))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:31
S63	2	("6294029").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/23 14:31
S64	1	S63 and (particle near5 size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:31
S65	1103	((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) same (particle near size) and (cutting near tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:36

## EAST Search History

S66	9	((plastic near working) or (shot near blasting)) with ((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL.sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) and (cutting near tool) and hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:46
S67	977	((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL. sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) same (vickers near hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 14:25
S68	491	((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL. sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) with (vickers near hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:53
S69	11	((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL. sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) with (vickers near hardness) with (particle near size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 15:02
S70	0	((abrasive near partilce) or alumina or (aluminum near oxide) or ("AL. sub.2 O.sub.3") or (cemented near carbide) or (silicon near nitride)) with (vickers near hardness) with (particle near size) and ((shot near5 blasting) or (plastic near5 working))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 14:54
S71	87	alumina with ((shot adj peening) or (shot near blasting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 15:03
S72	0	S71 with tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 15:03
S73	1	S71 same tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 15:04
S74	11	S71 and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/23 15:04



## EAST Search History

S75	2	("20030162483").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/27 14:42
S76	1	S75 and hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:08
S77	13170	(vicker near hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:08
S78	13170	(vickers near hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:08
S79	573	(vickers near hardness) near10 (alumina or carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:13
S80	55	(vickers near hardness) near10 (alumina or carbide) near10 particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:15
S81	17	(vickers near hardness) near10 (alumina or (carbide adj alumina)) near10 particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:17
S82	161	(vickers near hardness) near10 (alumina or (carbide adj alumina))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:15
S83	1	(vickers near hardness) near10 alumina near20 (ceramic near2 body near4 sintered)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:18
S84	93	(vickers near hardness) near4 alumina	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:23

## EAST Search History

S85	86	S84 not S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:29
S86	3	((shot or air) near5 blasting) near20 (vickers near hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:30
S87	131	((shot or air) near5 blasting) near20 hardness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:31
S88	128	S87 NOT S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:31
S89	5	S88 same (alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/27 16:31